

Tying the knot between experiment and computation in Molecular and Cellular Biology

Coordinated by **Prof. Franca Fraternali** and **Prof. Konstantinos Thalassinos**

On **Wednesdays** from **1-2pm** in the **JZ Young Lecture Theatre, UCL Anatomy Building**

4 th October 2023	<i>Cryomicroscopy studies of lipid-enveloped virus entry and assembly</i> Prof. Peter Rosenthal, The Francis Crick Institute, UK Host: Prof. Andres Ramos
11 th October 2023	<i>Clathrin EDI: Evolution, diversity and interactions regulating membrane traffic</i> Prof. Frances Brodsky, UCL Division of Biosciences, UK Host: Prof. Franca Fraternali and Prof. Kostas Thalassinos
18 th October 2023	<i>Life in a crowded environment: How subcellular density homeostasis drives cellular organization</i> Prof. Simone Reber, Max Planck Institute for Infection Biology, Germany Host: Prof. Carolyn Moores
25 th October 2023	<i>Title TBC</i> Prof. Andrea Townsend-Nicholson, UCL Division of Biosciences, UK Host: Prof. Franca Fraternali
1 st November 2023	<i>Using artificial intelligence to tune the heart's engine</i> Dr. Thomas Kampourakis, Kings College London, UK Host: Prof. Franca Fraternali
8 th November 2023	<i>Dynamics of prion assemblies, consequences of the coexistence of multiple prion conformations</i> Prof. Human Rezaei, INRAE, France Host: Prof. Franca Fraternali
15 th November 2023	<i>Native ambient mass spectrometry: In situ analysis of proteins and their complexes</i> Prof. Helen Cooper, University of Birmingham, UK Host: Prof. Konstantinos Thalassinos
21 st November 2023 (Tuesday)	<i>Probing the proteome-wide choreography of protein conformational changes</i> Prof. Paola Picotti, Institute of Molecular Systems Biology, ETH Zurich, Switzerland Host: Prof. Konstantinos Thalassinos
29 th November 2023	<i>Crosslinking mass spectrometry – structural biology from masses</i> Dr. Richard Scheltema, Utrecht University, The Netherlands Host: Prof. Konstantinos Thalassinos
6 th December 2023	<i>Structural studies of the TIR-SAVED complex</i> Prof. Laura Spagnolo, University of Glasgow, UK Special host: Lucy Troman and Rosie Bell, Birkbeck postdocs
13 th December 2023	<i>Probing dynamics of macromolecules and energetics of molecular interactions with high-performance, fast and accessible computational methods</i> Prof. Rafael Najmanovich, Universite de Montreal, Canada Host: Dr. Irilenia Nobeli